284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	10/06/25
Project:	New Freedom Switch	Date Received:	10/06/25
Client Sample ID:	TP2-C	SDG No.:	Q3297
Lab Sample ID:	Q3297-14	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.9
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/07/25 10:00	10/07/25 20:20	PB170007

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.84		1	1.26	2.13	mg/kg	FE056235.D
Aliphatic C9-C28	Aliphatic C9-C28	2.34	J	1	0.97	4.25	mg/kg	FE056235.D
Total AliphaticEPH	Total AliphaticEPH	7.18			2.23	6.38	mg/kg	
Total EPH	Total EPH	7.18			2.23	6.38	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056235.D	1	10/07/25	10/07/25	PB170007

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.34	J	0.97	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		4.84		1.26	2.13	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		60.7		40 - 140	121%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		56.0		40 - 140	112%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3297-14	Acq On:	07 Oct 2025 20:20
Client Sample ID:	TP2-C	Operator:	YP\AJ
Data file:	FE056235.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.307	6.942	505368	3.609	300	ug/ml
Aliphatic C12-C16	6.943	10.393	1633342	10.649	200	ug/ml
Aliphatic C16-C21	10.394	13.770	1250983	7.542	300	ug/ml
Aliphatic C21-C28	13.771	17.441	1665102	11.211	400	ug/ml
Aliphatic C28-C40	17.442	22.445	9290482	68.186	600	ug/ml
Aliphatic EPH	3.307	22.445	14345277	101.197		ug/ml
ortho-Terphenyl (SURR)	12.070	12.070	10504127	55.98		ug/ml
1-chlorooctadecane (SURR)	13.505	13.505	8470034	60.69		ug/ml
Aliphatic C9-C28	3.307	17.441	5054795	33.011	1200	ug/ml